

To: Examiner Ruixiang Li

From: Eddie Baba (Bozicevic, Field & Francis LLP)

Re:

U.S. Appl. Ser. No.: 09/935,061

Kobilka et al.

"Conformational Assays To Detect Binding To G Protein-Coupled Receptors"

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AMENDMENTS

In the Claims

1. (Currently Amended) A method for identifying a ligand ~~an agent~~ having activity ~~agonist activity~~ for a G protein-coupled receptor (GPCR), the method comprising:
 contacting a G protein-coupled receptor (GPCR) with a candidate agent, the GPCR having a conformationally sensitive detectable probe positioned on or within a conformationally sensitive third intracellular loop of the GPCR with the proviso that the probe is not positioned in the transmembrane domain; and
 detecting a detectable signal of the conformationally sensitive detectable probe;
 wherein detection of a change in the detectable signal in the ~~present~~ presence of the candidate agent as compared to the absence of the candidate agent indicates the candidate agent has is a ligand ~~agonist binding activity~~ for the GPCR.

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Re: U.S. Patent Application NO. 09/935,061

Message: Please see attached proposed claim amendment

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Total number of pages, including this cover sheet: 2

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